



**Call to Art Dohmann on Friday , October 12, 2012 at 9:08 am and 1:30 p.m.**

**Stacey Dwyer** to: William Honker, Wren Stenger, Sam Coleman 10/12/2012 02:07 PM

Cc: Philip Dellinger, David Gray, Ray Leissner, Jose Torres, David Gillespie, Ben Harrison

From: Stacey Dwyer/R6/USEPA/US  
To: William Honker/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA, Sam Coleman/R6/USEPA/US@EPA  
Cc: Philip Dellinger/R6/USEPA/US@EPA, David Gray/R6/USEPA/US@EPA, Ray Leissner/R6/USEPA/US@EPA, Jose Torres/R6/USEPA/US@EPA, David Gillespie/R6/USEPA/US@EPA, Ben Harrison/R6/USEPA/US@EPA

A. Talked with Art Dohmann of the Goliad County Groundwater Conservation District today at 9:08 am for about 20 minutes. I discussed the idea of the GCGCD drilling wells and monitoring these wells. I assumed that one well would be near the Braquet DW well and the other well near the St. Peter's Church. I asked Art about the GCGCD's authority to access property for monitoring, access to a contractor for installing the wells, and whether they had resources for long term monitoring of approximately 20 years.

Art indicated that the GCGCD has the authority to access any public or private property for the purposes of monitoring the quality of water. This authority is found in Chapter 36 (36.123) of the Texas Water Code.

Art also indicated that it is the District's desire to monitor long term. They are currently monitoring several wells in the County. If they don't have adequate funding, they would probably stop monitoring private wells that are further out in order to monitor these wells that would be closer to the proposed mining area. He also brought up the fact that additional monitoring wells are important because of his understanding that the wells that are part of the monitoring well ring are only screened in the first 20 feet of the sand.

Art also indicated that the GCGCD and the Goliad County had approached UEC about this idea some years ago. UEC was reluctant and would only commit to giving money to a school or for EMS service. Without some additional funding the GCGCD board may be forced to discontinue sampling the two monitoring wells.

B. Called Art at 11:30 am and left a message for him to call me with some specific cost estimates.

C. At 1:30 p.m. Art returned my phone call and we talked for 20 minutes. This is the information he supplied:

4" cased well screened in 40 feet of the base of the sand, pressure grouted, gravel packed around the screen. \$ 28/ft + cost of portable pump (The portable pump can be used for both wells)

Pump is approximately = \$ 2,000

Well in Sand A = \$ 28/ft x 100 ft = \$ 2,800

Well in Sand B = \$ 28/ft x 160 ft = \$ 4480

**Total for 2 Wells installed +pump = \$ 9280.**

Monitoring/analysis (minerals, rads, etc) = \$ 700/sample x 2 wells = \$ 1400. Art recommends starting off with sampling twice per year and depending on results, move to annual sampling. He also recommends that UEC do split sampling during these events to demonstrate QA/QC.

**Monitoring costs= \$ 1400 x 2 sampling events= \$ 2800.**

**First year costs = \$ 9280 + \$ 2800 = \$ 12,080.**

**Second year costs = \$ 2,800.**

D. Art stated that they have a board meeting this Monday. I asked him to wait until we talk with UEC before presenting this proposal to the GCGCD board for approval. I indicated that I would get back with him by Wednesday, October 17th if this is an option for the board to consider.

I am requesting that Sam call UEC and run this idea by them.

Thank you,

Stacey